

Quick Start

1. Connect the power supply (disposable/rechargeable battery or via 12 V DC jack).
2. Press On button.
3. If necessary, set date and time (see 2.5).
4. Select measurement mode: Press Menu/OK button.
Select mode with \uparrow or \downarrow button (for measurement modes see 3.1 to 3.5).
Press Menu/OK button to confirm.
5. If necessary, select unit of measurement mm/inch:
- Press Menu/OK button.
- Select settings with \uparrow or \downarrow button and confirm with Menu/OK button.
- Select unit mm/inch with \uparrow or \downarrow button and confirm with Menu/OK button.
- Select main menu with \uparrow or \downarrow button and confirm with Menu/OK button.
- Select measure. mode with \uparrow or \downarrow button and confirm with Menu/OK button.

1. Description of Buttons

On/Off
1 x short = On. The company and device data are shown and the last measurement mode selected is run.
1 x long = As long as the display is needed.
1 x short = Renewed start for single measurement (see 3.1).
1 x long = Off. Automatic off after about 5 minutes without reception.

Zeroing
2 x short = Reset zero point (see 5.03 and 5.04).

Select up
Save measured values (see 3.2 and 3.3)

Delete measured values
Select down

Menu
Confirm selection

Light on/off

2. LCD Display

Zero point on, under or over the notch (see 2.3)
In arrow direction = to laser (see 2.2)
2 arrows = searching, no reception (see 2.2)
1 arrow = reception (see 2.2)
Arrow change = measured value valid (see 2.2)

Measured value sign
Digital measured value display (see 2.1)
---- = Measurement range exceeded

Wireless transmission on
Flashing = no connection
No symbol = off

Unit: mm or inch
Battery or 12V symbol (see 2.5)
Time (see 2.5)

Measuring point index to 2600
Measured value folder index A-Z
Measuring point (see 2.4)

S = Single measurement (see 3.1)
S + M = Single measurement with saving (see 3.2)
C = Continuous measurement (see 3.3)
C + B = Continuous measurement with wireless transmission (see 3.4)
I = Interval meas. + saving 12" = 12 sec. to meas. (4 - 60 sec.) (see 3.5)
34' = 34 min. to meas. (1 - 90 min.) (see 3.5)

2.1 Measured value:
Display optionally in mm or inch.
Select in Menu \rightarrow Settings \rightarrow Unit (see 5.02).
If lines are shown instead of numbers, the measurement range has been exceeded, the receiver must be moved in opposite direction to the arrow in the display or wait for next laser beam search in the case of continuous measurement mode.

2.2 Arrow symbols:
The arrow shows the direction to the middle of the laser beam.
Permanent changing of the arrow direction: measured value valid.
One arrow = laser beam reception but measured value not yet valid.
Both arrows = searching for laser beam, no reception.

2.3 Zero point:
The zero point can be set at any point with the button 0.
0 = middle means: zero point on the housing notch
0 = above or below the middle means: zero point above or below the housing notch.

2.4 M = Measuring point:
The current measuring point index is counted up automatically when saving. The measured value folder index can be selected in the corresponding submenu.

2.5 Date and time:
The time and date are set in Menu \rightarrow Settings \rightarrow Time/Date.
Use \uparrow or \downarrow button to change the value, OK button to move to next digit.
Please note: The time is only shown if the clock function is active (see 5.09)!
If the power supply is interrupted for more than 5 minutes, the date and time must be set again (see 5.10).

2.6 Battery or 12 V symbol:
The battery symbol indicates the charge status of the batteries.
Disposable or rechargeable batteries may be used.
Select the type of battery being used in Menu \rightarrow Settings \rightarrow Battery (see 5.11).
If the receiver is being run via the 12 V jack, 12 V is shown in the battery symbol.

3. Main Menu: Program Selection Menu

3.1 S = Single measurement
The device carries out one measurement, the signal tone is sounded at the end of measurement (see 5.12). The measured value can be saved with the Mem button.
At the end of the single measurement "RESTART ?" appears in the display and the next single measurement can then be started by pressing the On button briefly within the next 60 seconds. Otherwise the receiver is switched off.

3.2 SM= Single measurement with automatic saving of the measured value
The receiver carries out a measurement. The measured value is saved automatically and the signal tone is sounded at the end of measurement (see 5.12). If the Del button is pressed within 5 seconds, the saved value is deleted.

3.3 C = Continuous measurement
Pressing the Mem button saves the current value.
If no laser beam is found, the device carries out 3 search scans at intervals of 1 minute before the receiver is switched off.

3.4 C+B = Continuous measurement with Bluetooth® wireless transmission
Like C = Continuous measurement. The measured values are additionally transmitted by Bluetooth® to a PC and can be logged with date and time.

3.5 I:12' = Interval measurement with automatic saving of the measured value
A measurement is carried out in the preset time interval and the measured value is saved automatically. The time remaining until the next measurement is shown in seconds or minutes respectively.
The measurement begins with the last time interval set.
To change the interval, press the Menu/OK button, select "Set interval" and enter the required time interval.

3.6 Measured value memory

3.61 Main menu: Back to main menu

3.62 Memory folder A - Z:
Use the \uparrow or \downarrow button to change the folder (letter), press Menu/OK button to confirm the change.

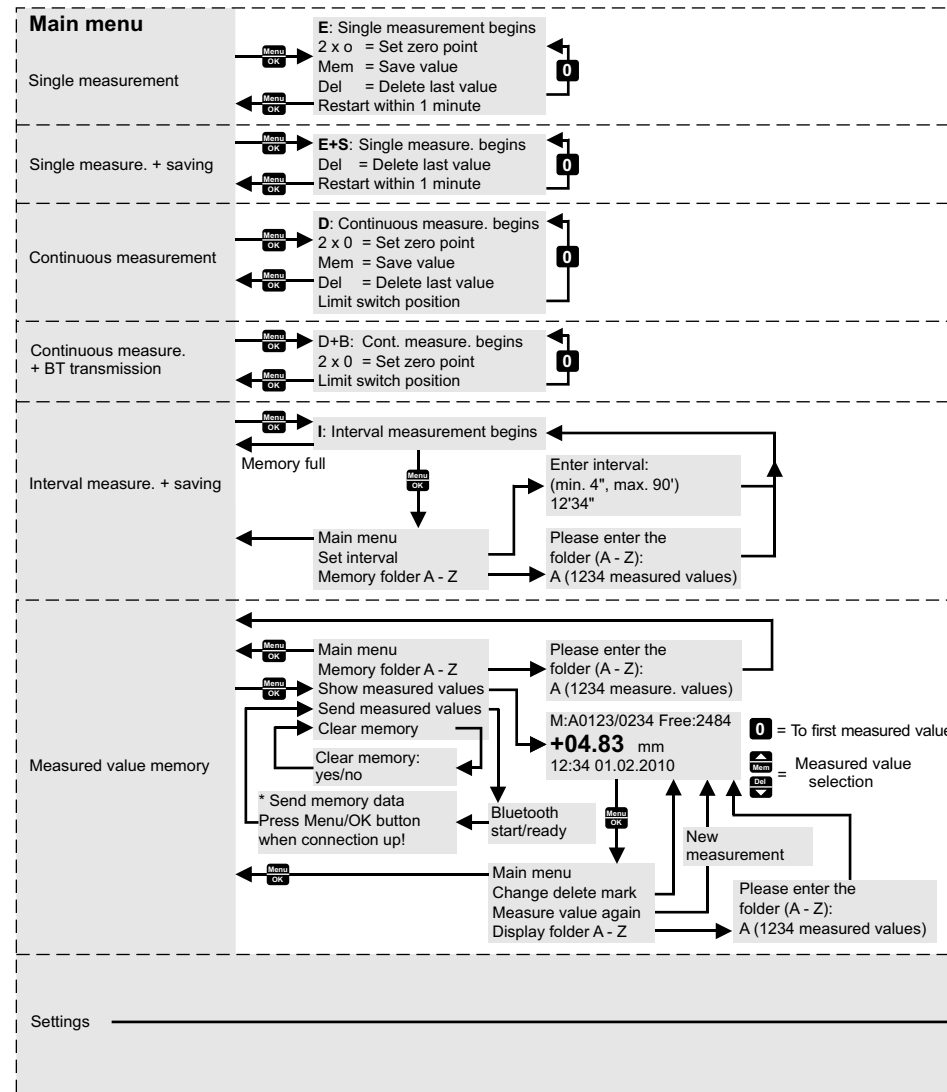
3.63 Show measured values LE-71:

Measured value no.: 11 of 12 in folder A
M:A0011/0012 Frei:2404 — Free memory spaces: 2404
-02.86 mm — Measured value in mm
10:12 02.09.2010 — Time and date

Use \uparrow or \downarrow button to scroll up/down through the saved measured values, press Menu/OK button to select the menu measured value management:

- **Main menu**
Back to main menu
- **Change delete mark**
Use \uparrow or \downarrow button to select the measured value.
Menu/OK button sets or cancels the delete mark.

4. Overview Operation



- **Measure value again**
The current selected measured value is measured again and saved.
Menu/OK button: Back to menu measured value management.

- **Change display folder**
Use \uparrow or \downarrow button to change the measured value folder.
Then use \uparrow or \downarrow to select the measured value.
Menu/OK button: back to measured value management.

3.64 Send measured values:
Start of Bluetooth function.
After connection with the PC is up, press the Menu/OK button to transmit the measured values.

3.65 Clear memory:
Use the \uparrow or \downarrow button to select "yes" and press Menu/OK button to confirm the selection.

Please note: All stored measured values will be deleted irretrievably!

3.66 Settings: See 5. "Settings Menu".

Settings	The default settings are marked with *.
Main menu/Back	Display unit * Millimetre Inch
Unit mm/inch	Zero point on notch: * Yes No
Zero point on notch	Zero point block: * On Off
Zero point block	Display orientation * Normal Turned
Display orientation	Light * Auto Manual
Light	Sprache/Language: * German English
Sprache/Language	Clock function: * On Off
Clock function on/off	Please set date and time: 12:13 01.02.2010
Set time/date	Battery type * NiMH battery Alkaline battery
Battery type	Signal tone: * On Off
Signal tone on/off	Search delay: (min. 0" max. 240") * 004
Search delay	Default settings: * Yes No
Default settings	The logo/type/serial no./company data are shown
Device data	* BLUETOOTH-INFO: MAC: 123456789012 ID : GEO LE-71 Ser.-No.
Bluetooth MAC/ID	BT-Terminal-Mode * Software Terminal
Bluetooth-Term.-Mode	** VERSION **: FW-Code : LE-71 Unlock code : Vx.yz HW version : Vx.yz
Version information	** SERVICE ** Unlock code ? 000000
Service menu	

5. Settings menu:

5.01 Main menu/Back
Back to program selection menu with OK button.

5.02 Unit mm/inch
You can select between mm and inch.

5.03 Zero point on notch
The zero point is on the housing notch again.

5.04 Adjust zeropoint offset manually.
Change the flashing figure with the button \uparrow resp. \downarrow , go to the next figure with the menu/OK button.
Please note: The adjustment always refers to the box notch!

5.05 Block zero point
To prevent unwanted adjustment of the zero point, adjustment of the zero point can be blocked.

5.06 Display orientation
For better reading the display can be turned by 180° for overhead working.

5.07 Light
You can select between auto - the light stays on for 1 min. after pressing the button - and manual - the light is switched on and off with the \star button.

5.08 Sprache/Language
Selection of the language.

5.09 Clock function on/off
The clock function can be deactivated.

5.10 Set time/date
See 2.5. If the receiver was without power for about 10 minutes, the time and date must be set again.

5.11 Battery
See 2.6. Serves to improve the accuracy of the charge status indicator.

5.12 Signal tone on/off
The signal tone can be deactivated.

5.13 Search delay (only for continuous measurement)
The time until automatic new search for the laser light plane can be set from 0 to 240 seconds.
Note: 0 = automatic search deactivated.

5.14 Default settings
Back to the default settings. See 4. Overview/Operation:
The default settings are marked with *.

5.15 Device data
Display of logo, type, serial no. and company data.

5.16 Bluetooth® MAC/ID
Display of the data relevant for the wireless transmission.

5.17 Bluetooth®-Terminal-Mode
Software = operation with the GEO transmission software.
Terminal = operation with a terminal program under Windows/Linux.

5.18 Version information
Display of the software and hardware versions.

5.19 Service menu
The internal settings menu is intended only for the manufacturer and is therefore blocked by a code.

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